PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| TRANSMITTAL LETTER TO THE UNITED STATES | ATTORNEY'S DOCKET NUMBER 20410/0205255-US0 | | |
|--|--|--|--|
| DESIGNATED/ELECTED OFFICE (DO/EO/US) | U.S. APPLICATION NO. (if known, see 37 CFR 1.5). | | |
| CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | | |
| INTERNATIONAL APPLICATION NO. PCT/GB2005/000362 INTERNATIONAL FILING DATE 3 February 2005 | PRIORITY DATE CLAIMED 3 February 2004 | | |
| TITLE OF INVENTION | , | | |
| OPTICAL PULSE REGENERATOR APPLICANT(S) FOR DO/EO/US | | | |
| Sonia Boscolo et al. | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | |
| 1. X This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | |
| 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | |
| 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | |
| 4. X The US has been elected (Article 31). | | | |
| 5. x A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) | | | |
| a. is attached hereto (required only if not communicated by the International Bureau). | | | |
| b. x has been communicated by the International Bureau. | | | |
| c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | |
| 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | | | |
| a. is attached hereto. | | | |
| b. has been previously submitted under 35 U.S.C. 154(d)(4). | | | |
| 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) | | | |
| a are attached hereto (required only if not communicated by the International Bureau). b have been communicated by the International Bureau. | | | |
| c. have not been made; however, the time limit for making such amendments has NOT expired. | | | |
| d. x have not been made and will not be made. | | | |
| 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | |
| 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | |
| An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | |
| Items 11 to 20 below concern document(s) or information included | l: | | |
| An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | |
| 2. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | |
| 13 A preliminary amendment. | | | |
| 14. X An Application Data Sheet under 37 CFR 1.76. | | | |
| 15. A substitute specification. | | | |
| 16. A power of attorney and/or change of address letter. | | | |
| 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13 <i>ter.</i> 2 and 37 CFR 1.821 – 1.825. | | | |
| A second copy of the published International Application under 35 U.S.C. 154(d)(4). | | | |
| 19. A second copy of the English language translation of the internation | al application under 35 U.S.C. 154(d)(4). | | |
| | | | |
| | | | |

Approved for use through 03/31/2007. OMB 0651-0021 U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. INTERNATIONAL APPLICATION NO. U.S. APPLICATION NO. (if known, see 37 CFR 1.5) ATTORNEY'S DOCKET NUMBER PCT/GB2005/000362 20410/0205255-US0 20. Other items or information: The following fees have been submitted **CALCULATIONS PTO USEONLY** Basic national fee (37 CFR 1.492(a))......\$300 21. 300.00 Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Árticle 33(1)-(4)\$0 \$ All other situations Search fee (37 CFR 1.492(b)) International Search Report prepared by an ISA other than the US and provided to the Office or \$ previously communicated to the US by the IB\$400 TOTAL OF 21, 22 and 23 = \$ 300.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is **\$250** for each additional 50 sheets of paper or fraction thereof. **Total Sheets** Number of each additional 50 or fraction RATE Extra Sheets thereof (round up to a whole number) -100 =/50 =x \$250.00 \$ Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)). NUMBER EXTRA NUMBER FILED **CLAIMS** RATE Total claims - 20 = Х Independent claims 3 = MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$ 300.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 300.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** \$ 300.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **\$40.00** per property + \$ \$ TOTAL FEES ENCLOSED = \$ 300.00 Amount to be \$ refunded: Amount to be \$ charged

PTO-1390 (Rev. 07-2005)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| a. A check in the amount of \$ | to cover the above fees is enclosed. | | |
|---|--------------------------------------|--------------------------|--|
| b. Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed. | in the amount of \$ | to cover the above fees. | |
| c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No04-0100 A duplicate copy of this sheet is enclosed. | | | |
| d. X Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038 | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be | | | |
| filed an granted to restore the International Application to pending status. | | | |
| | /MA | RIE COLLAZO/ | |
| SEND ALL CORRESPONDENCE TO: Thomas R. Marquis | RE SIGNATURE | G. NO. 44085 | |
| DARBY & DARBY P.C. | | | |
| P.O. Box 5257 New York, New York 10150-5257 | Tho | mas R. Marquis | |
| (206) 262-8906 | NAME | <u> </u> | |
| CUSTOMER NUMBER: 07278 | | | |
| | REGISTRATIC | 46,900 N NUMBER | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |